

$p_{ij} = \Pr\{\text{System will switch to state } j \text{ given that it is currently in state } i\}$

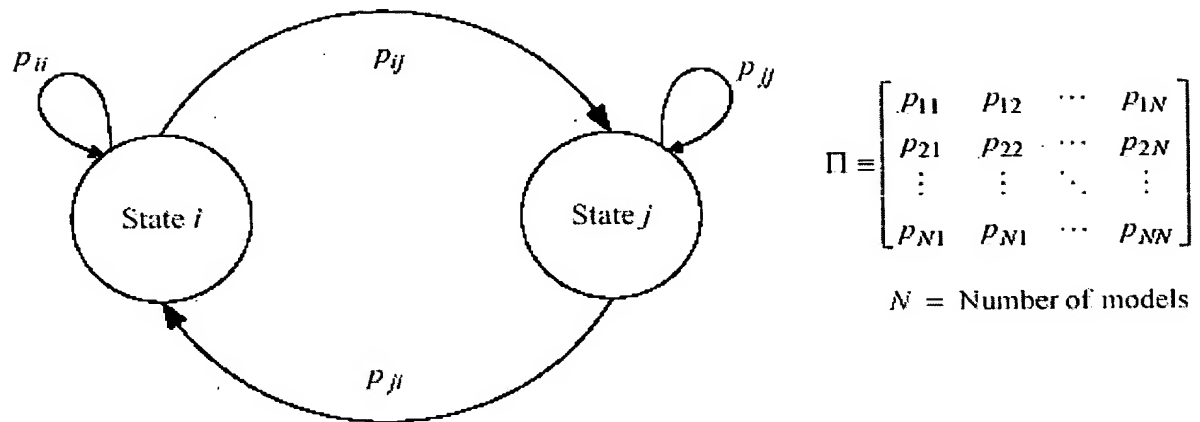


Fig. 1

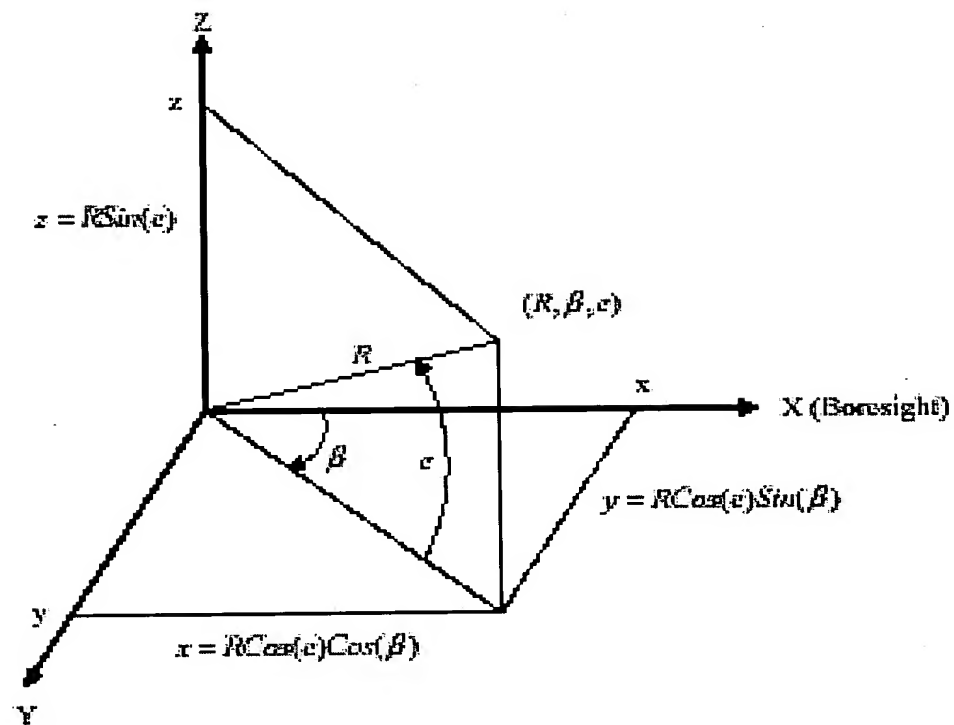


Fig. 2

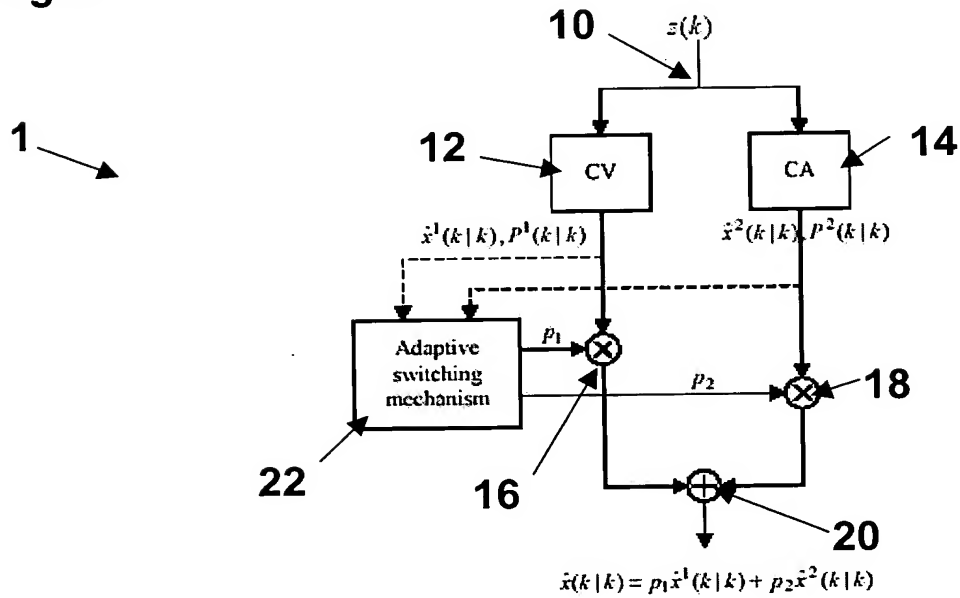


Fig. 3

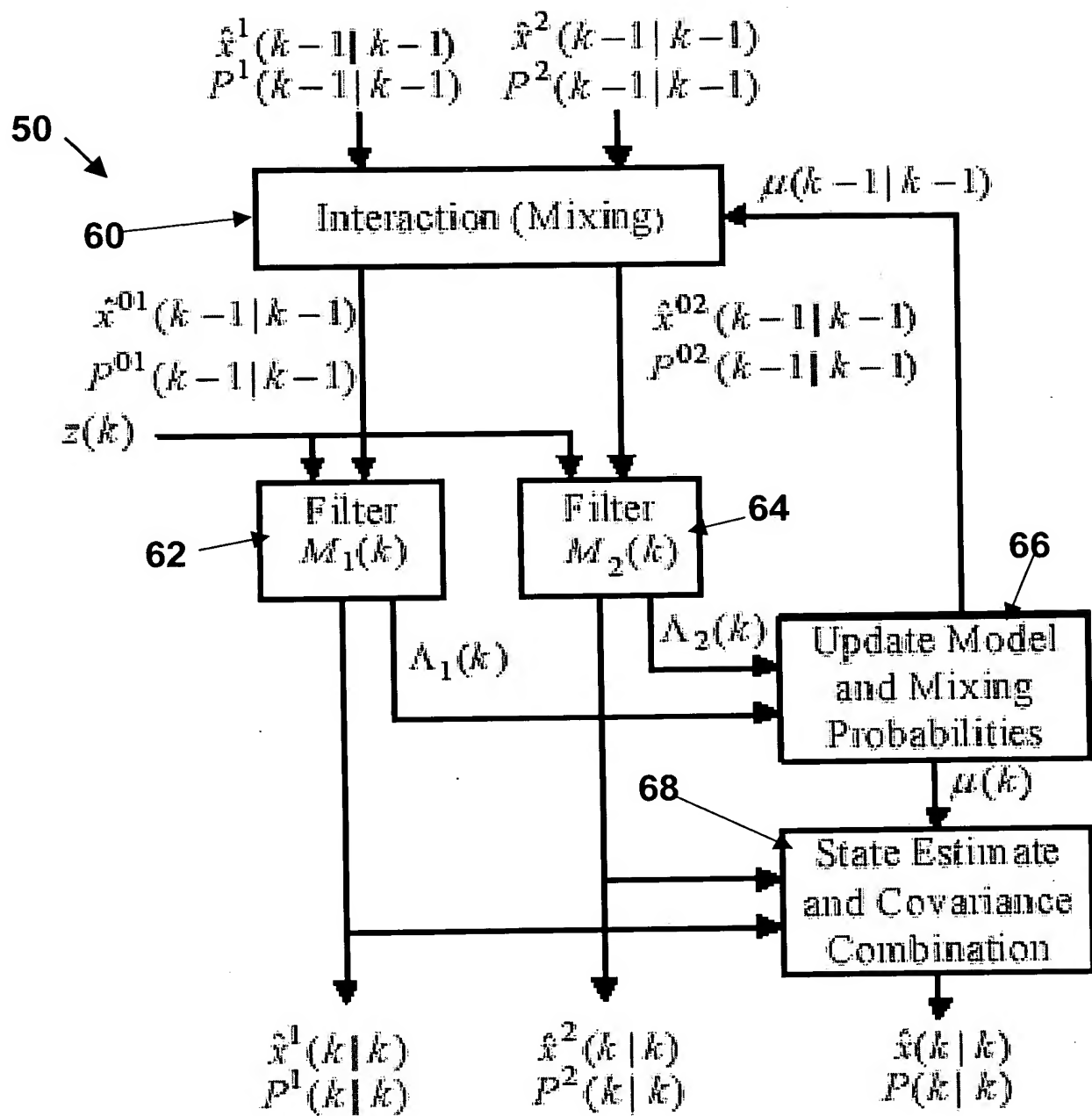


Fig. 4A

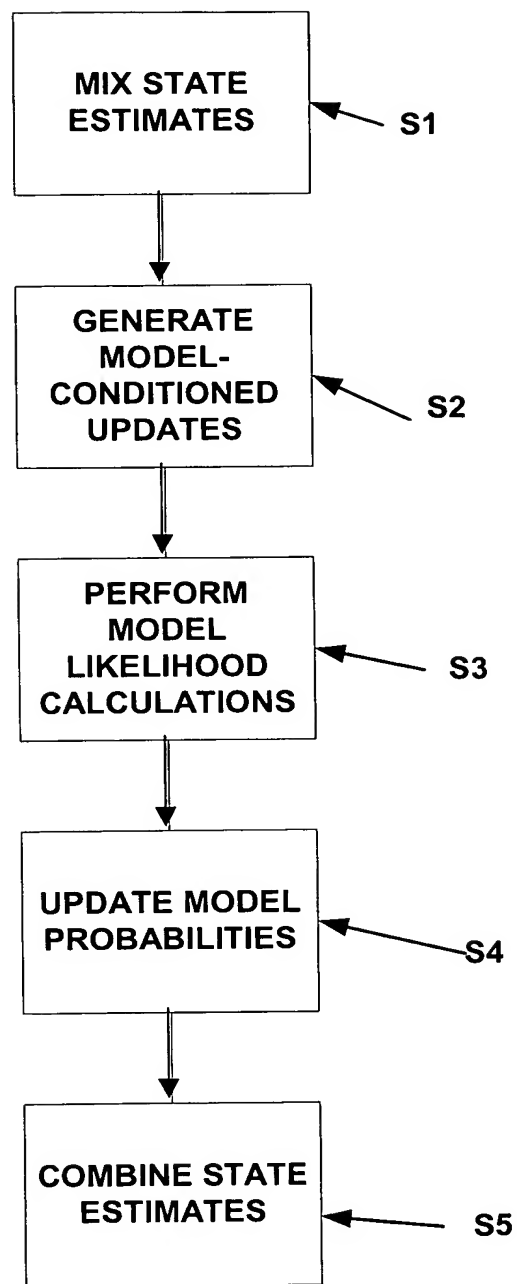


Fig. 4B

Fig. 5

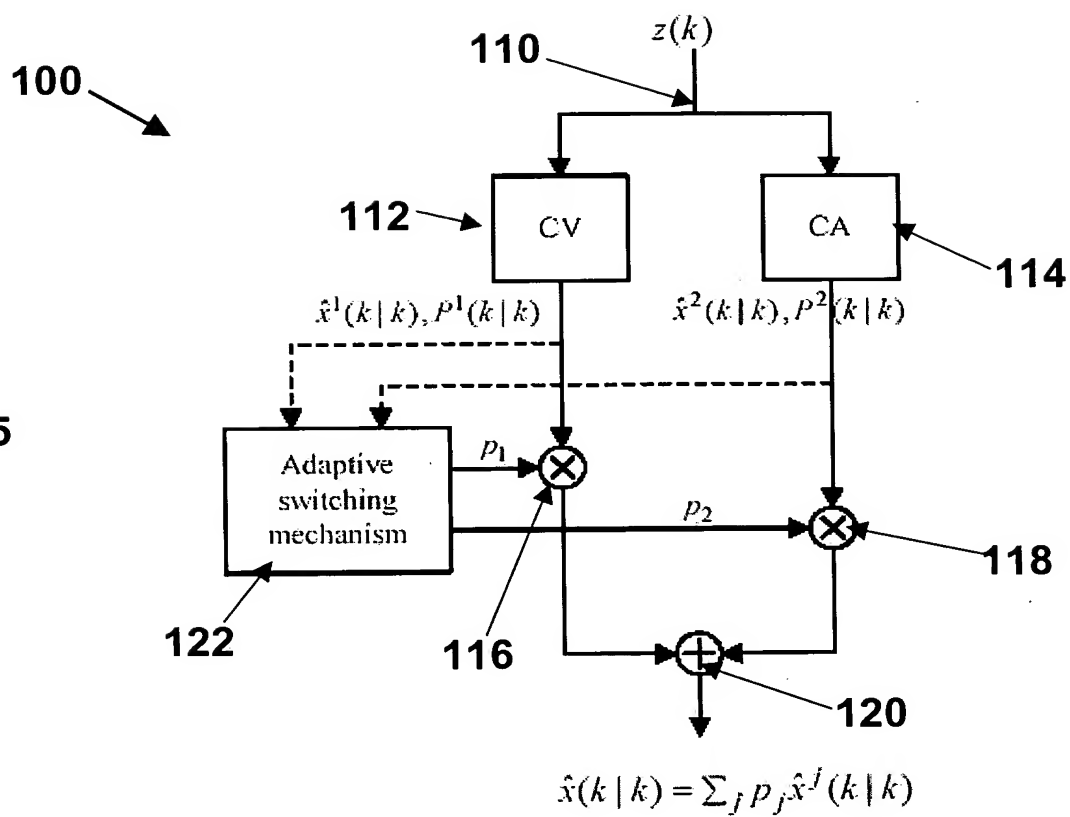


Fig. 6

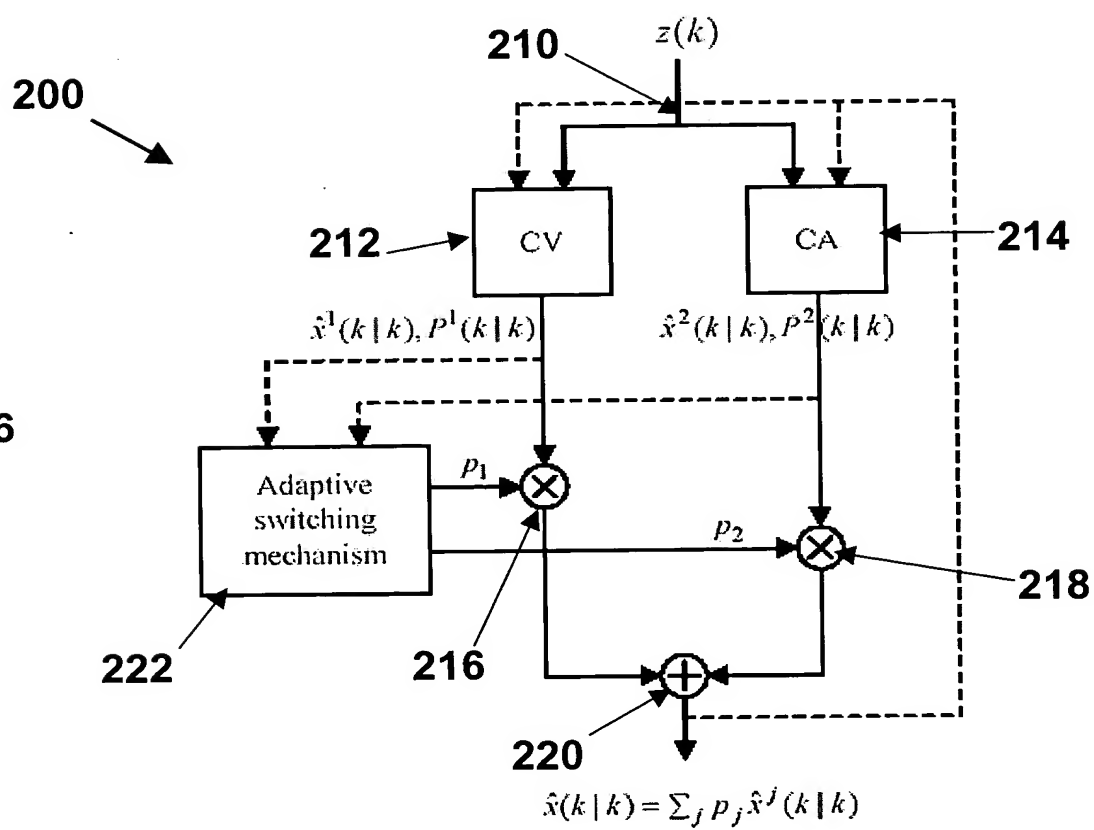
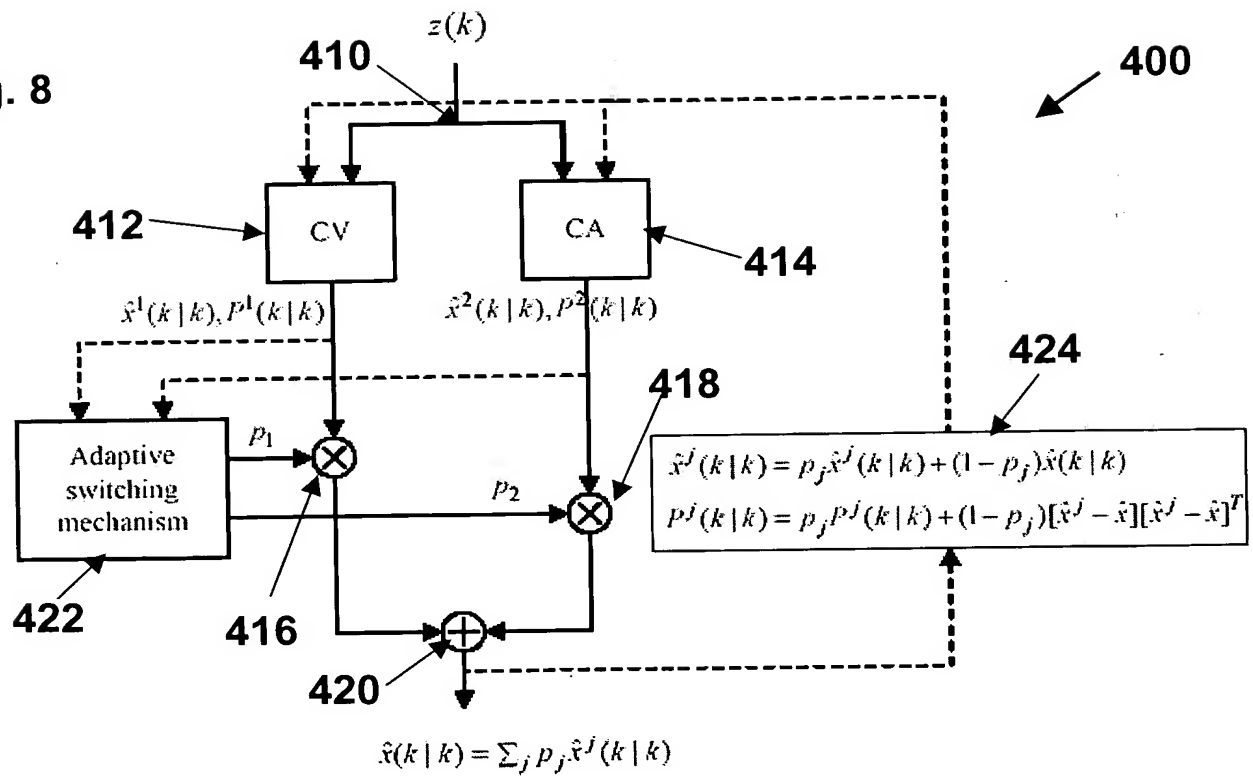


Fig. 8



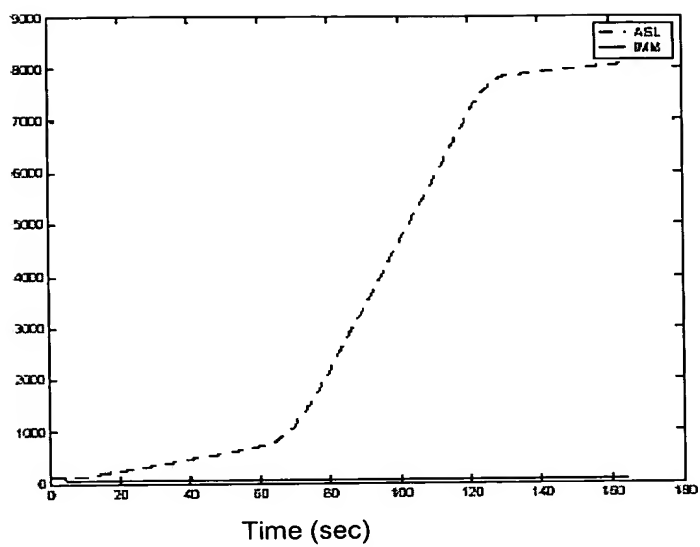


Fig. 10A

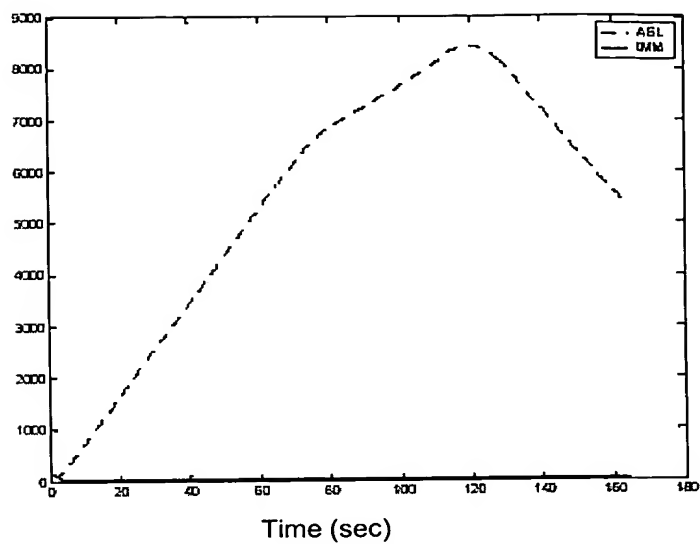


Fig. 10B

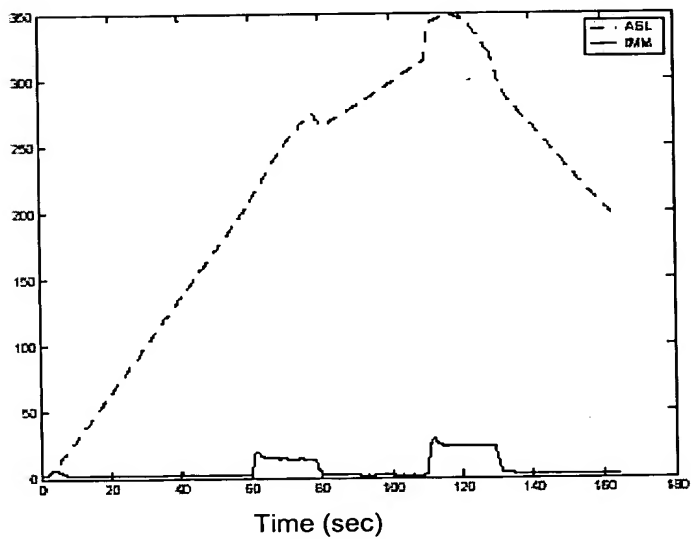


Fig. 10C



Fig. 10D

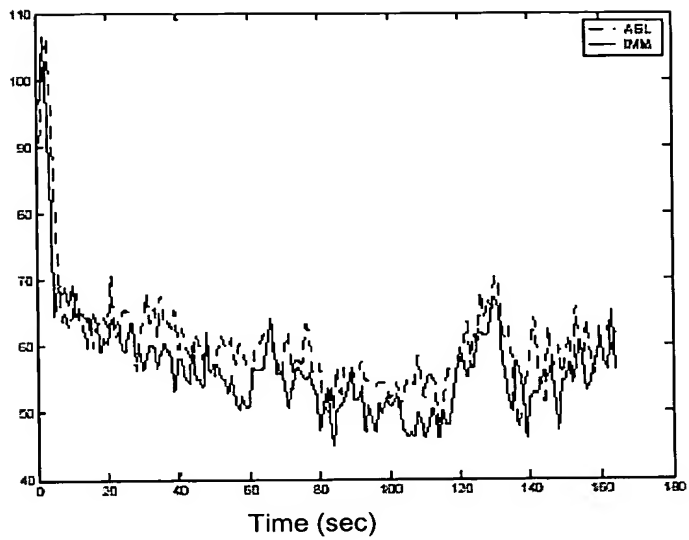


Fig. 11A

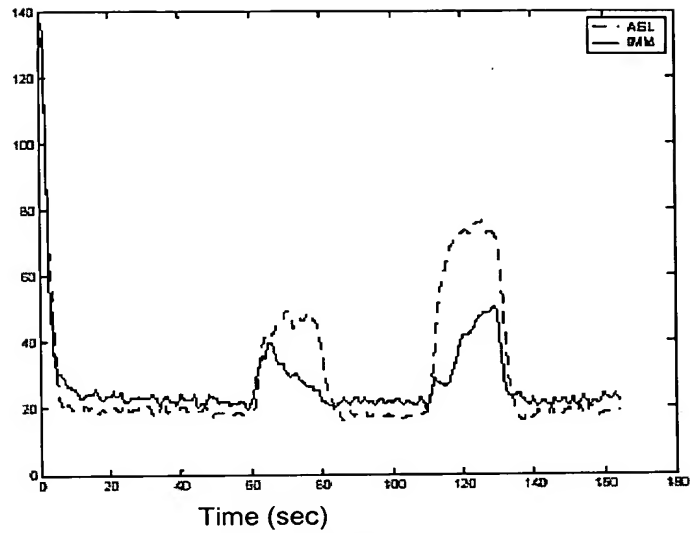


Fig. 11B

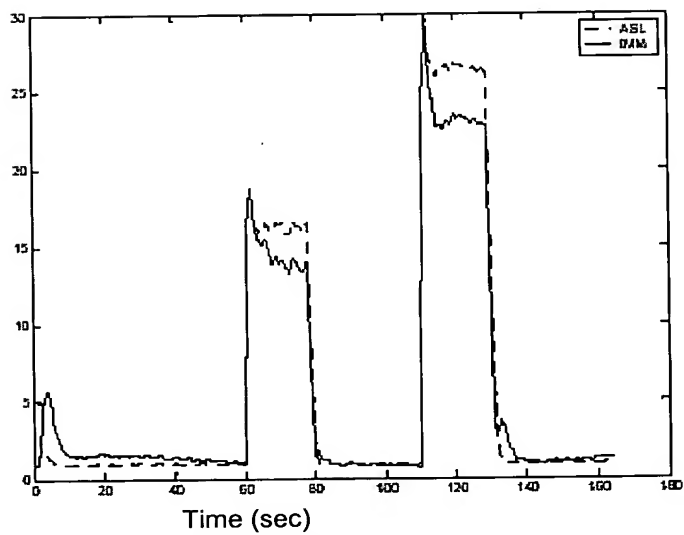


Fig. 11C

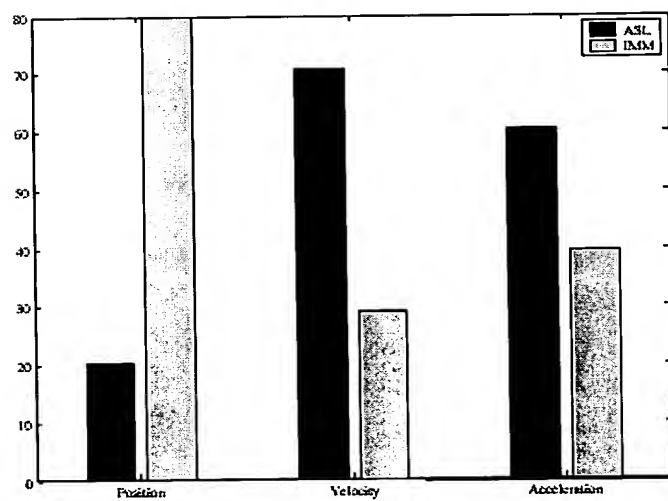


Fig. 11D

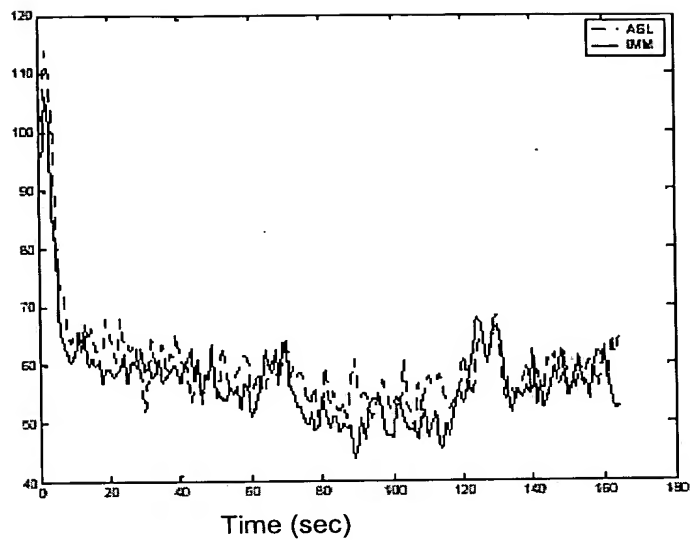


Fig. 12A

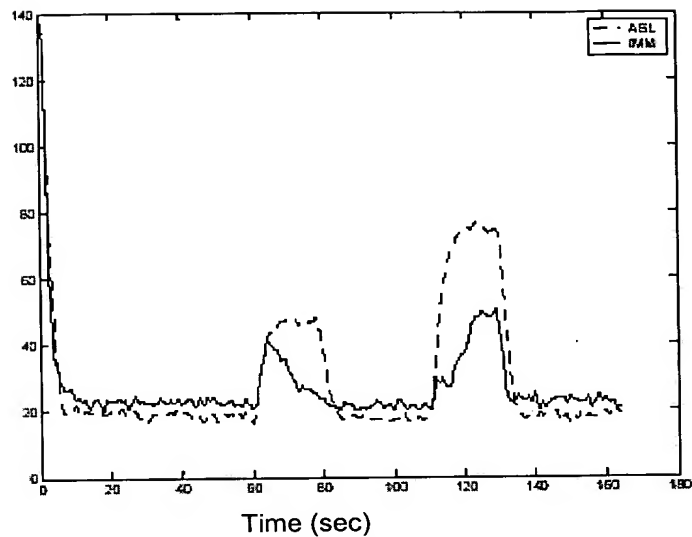


Fig. 12B

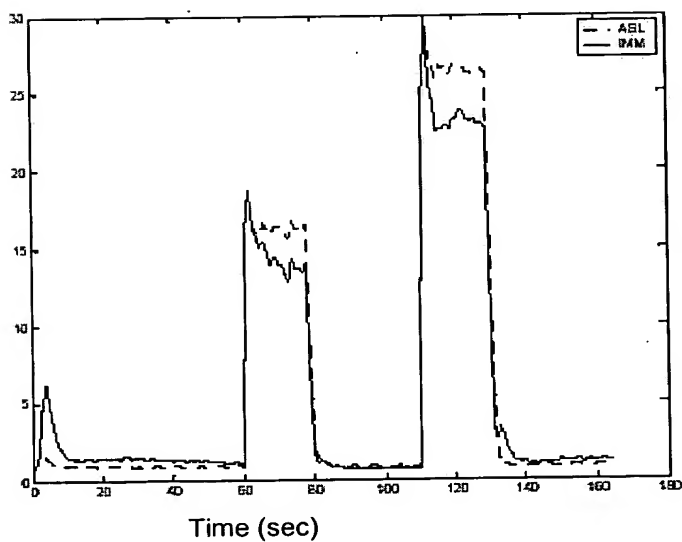


Fig. 12C

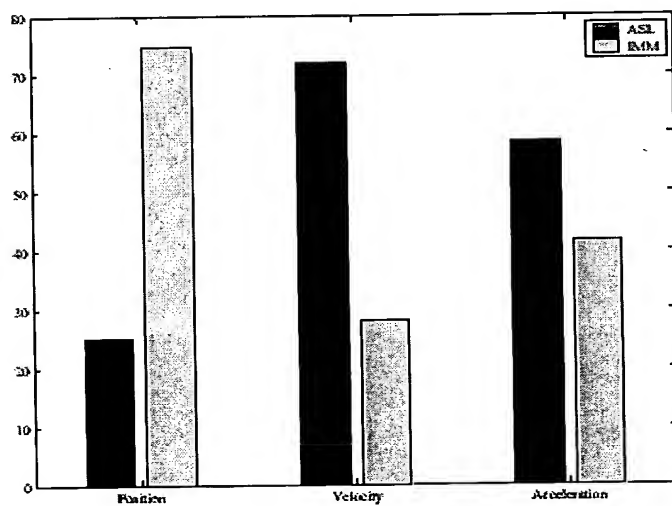


Fig. 12D

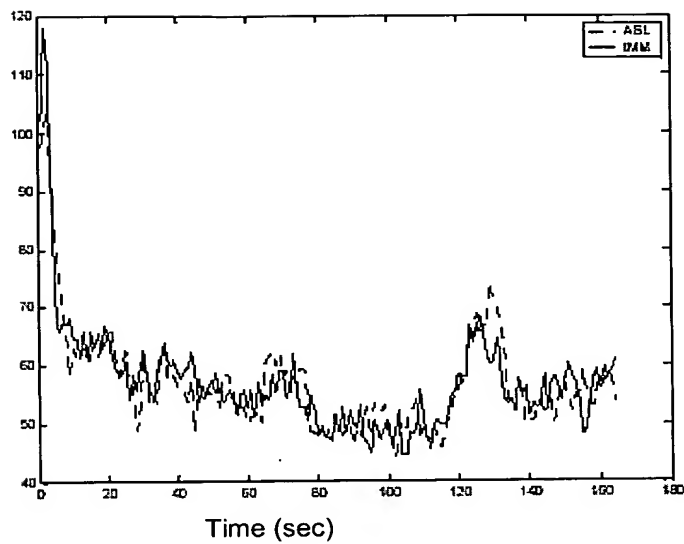


Fig. 13A

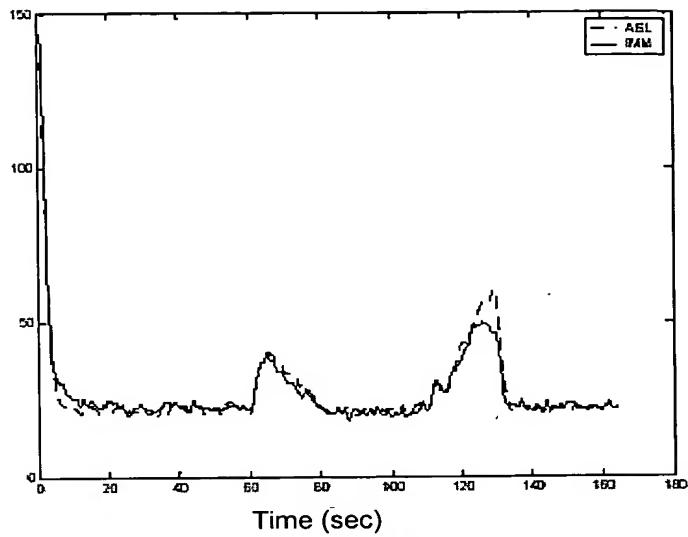


Fig. 13B

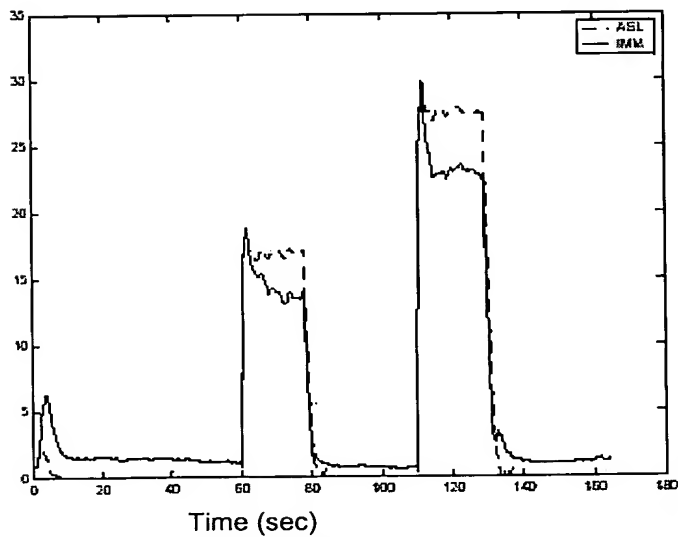


Fig. 13C

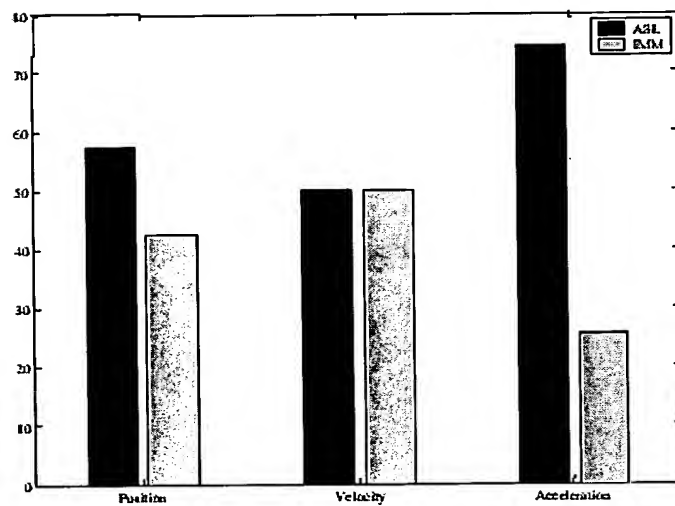


Fig. 13D

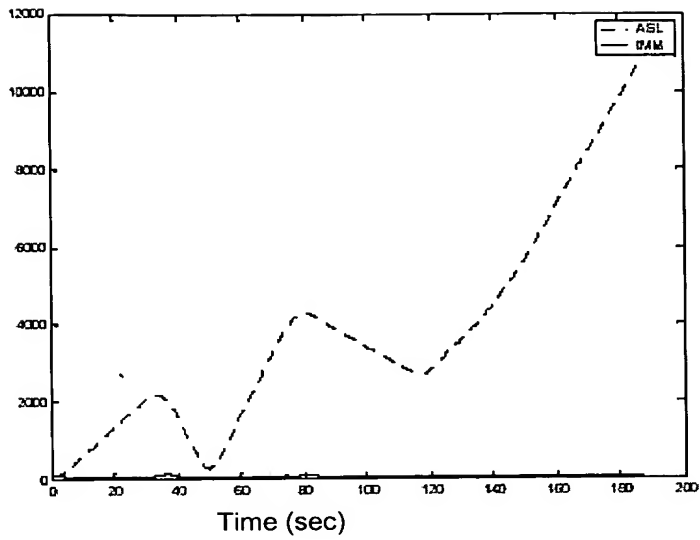


Fig. 14A

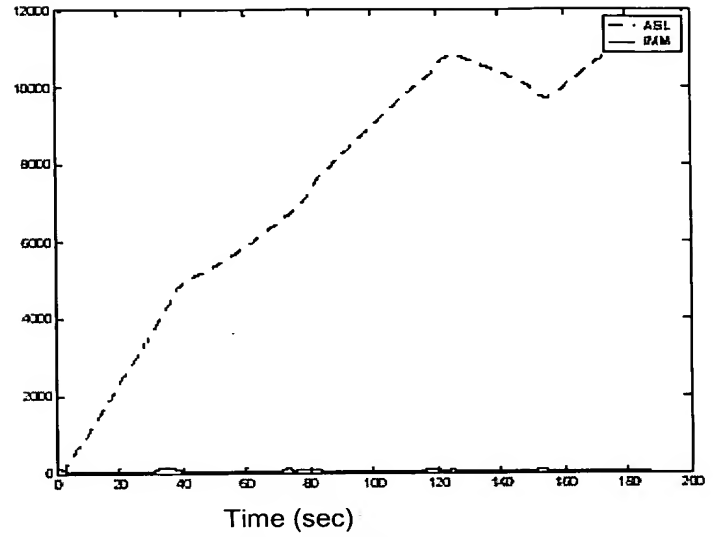


Fig. 14B

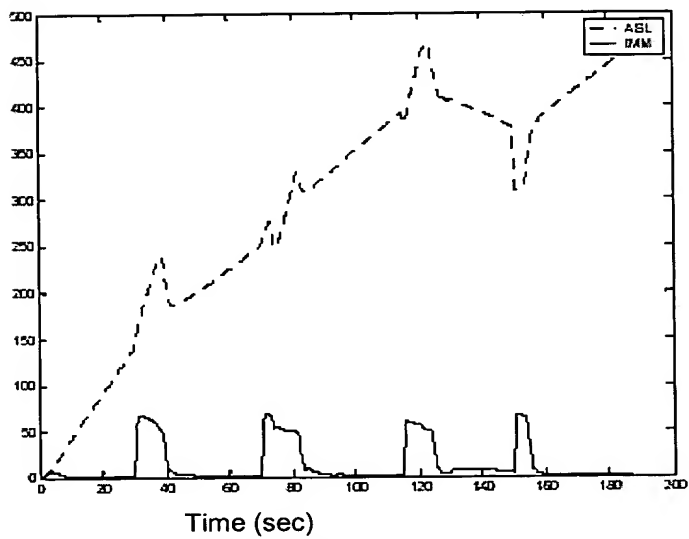


Fig. 14C

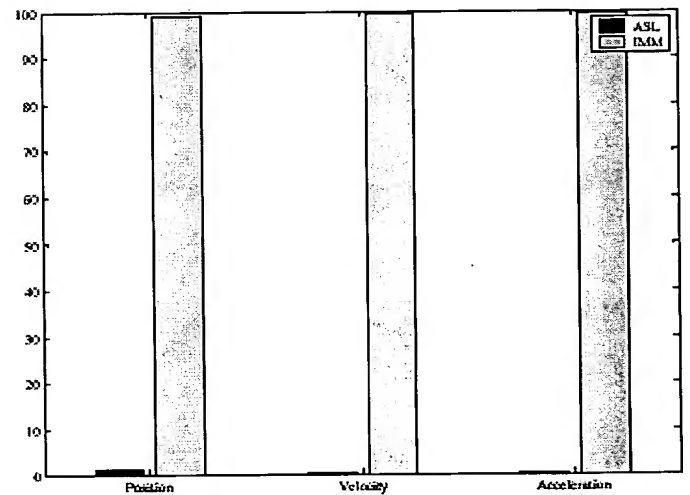


Fig. 14D

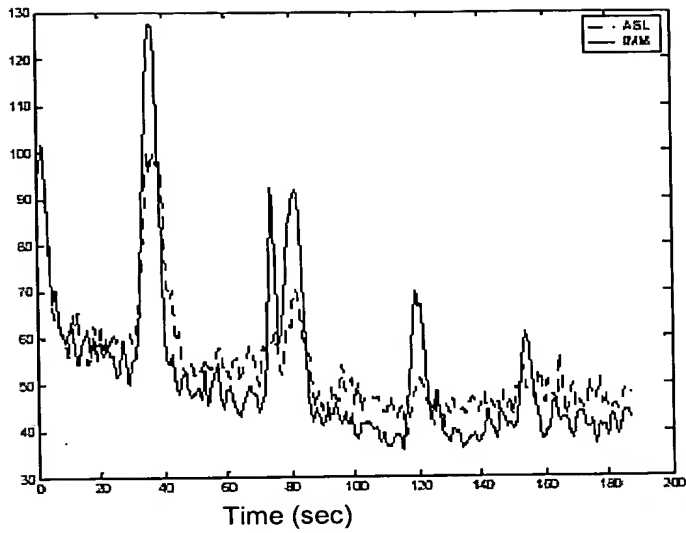


Fig. 15A

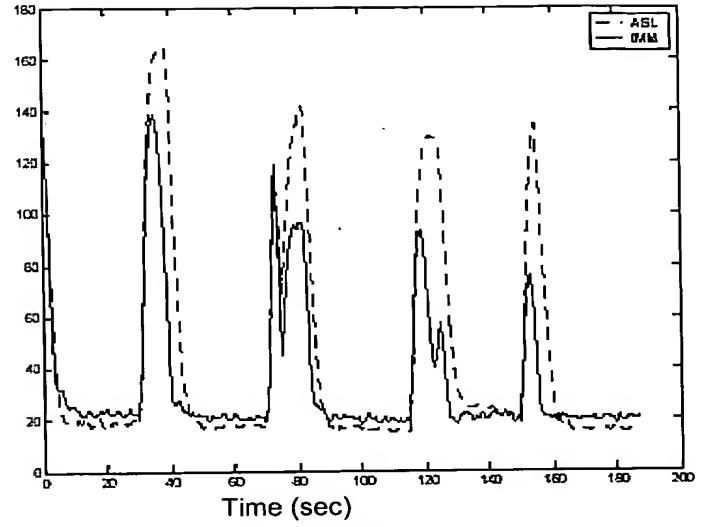


Fig. 15B

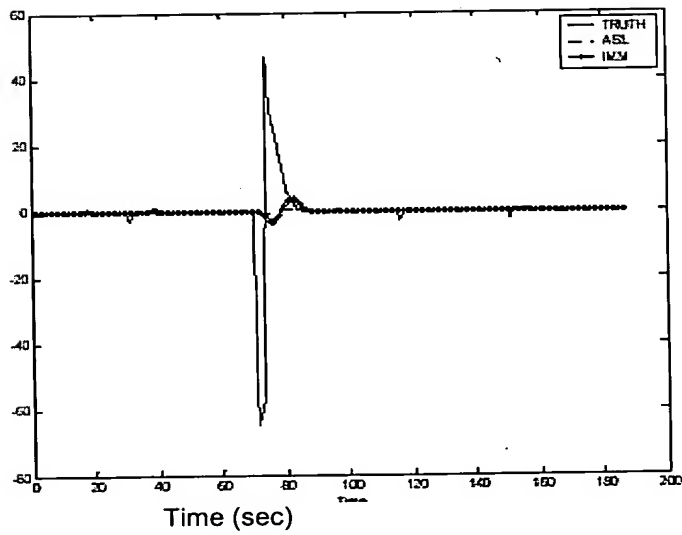


Fig. 15C

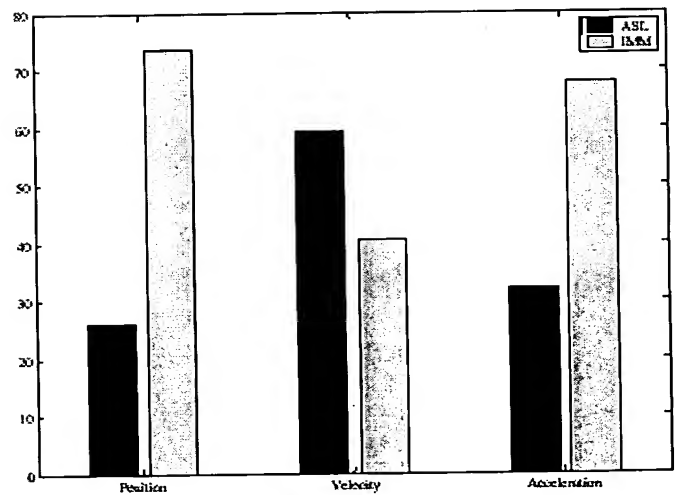
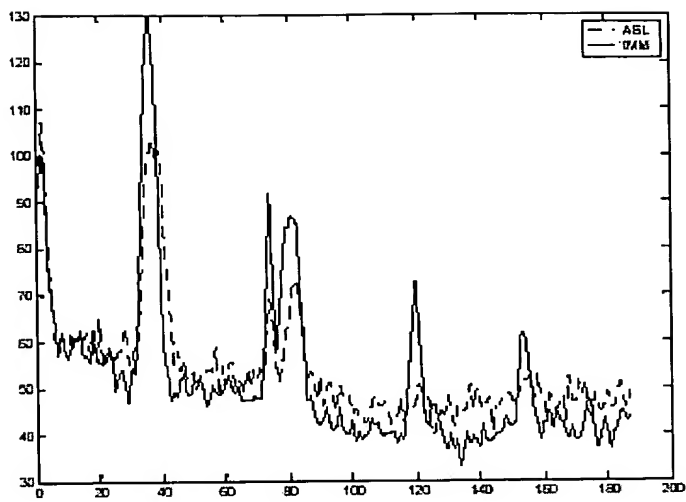
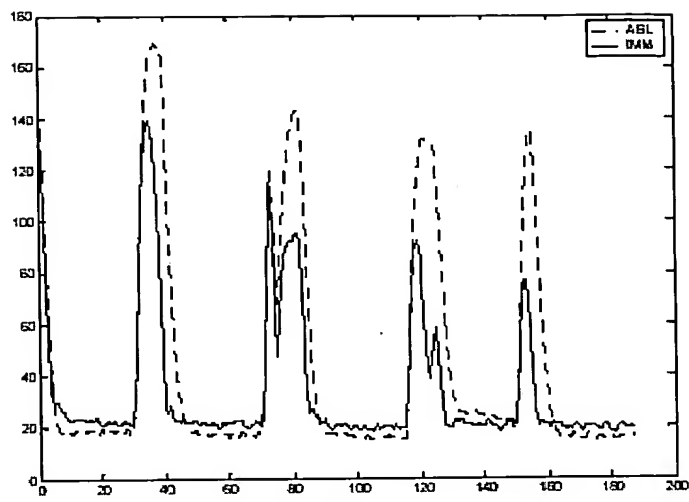


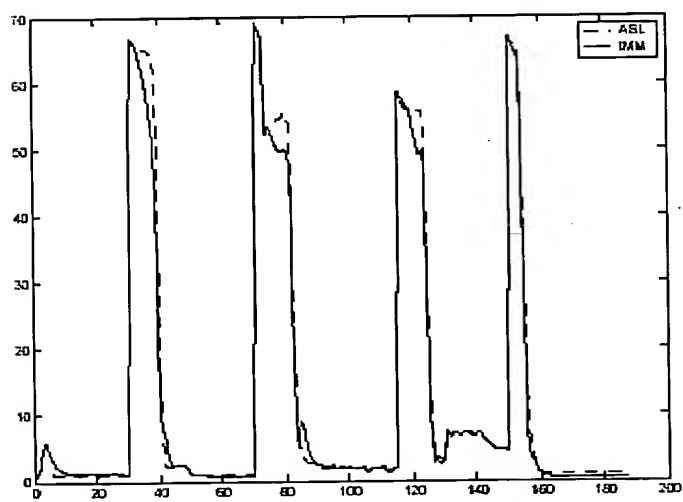
Fig. 15D



Time (sec)
Fig. 16A



Time (sec)
Fig. 16B



Time (sec)
Fig. 16C

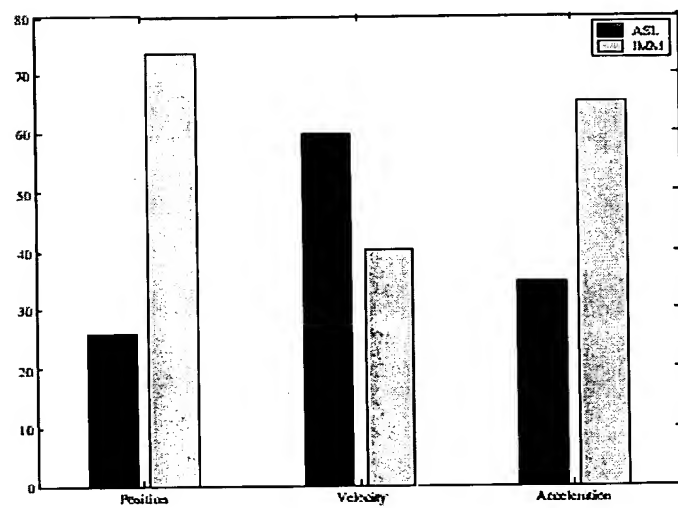


Fig. 16D

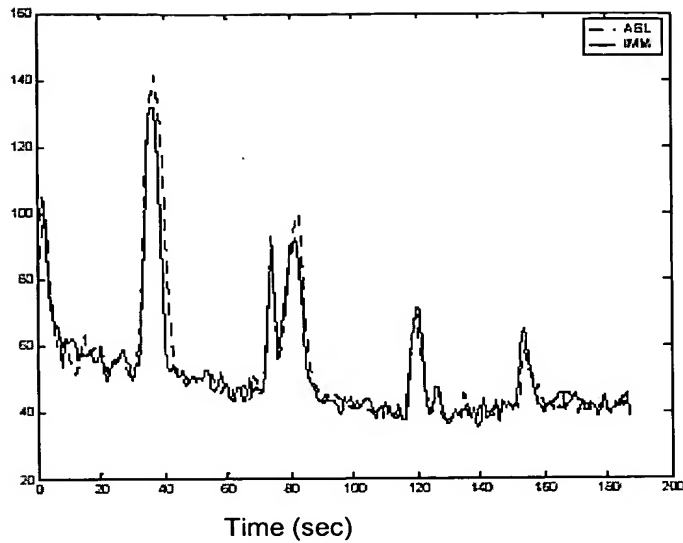


Fig. 17A

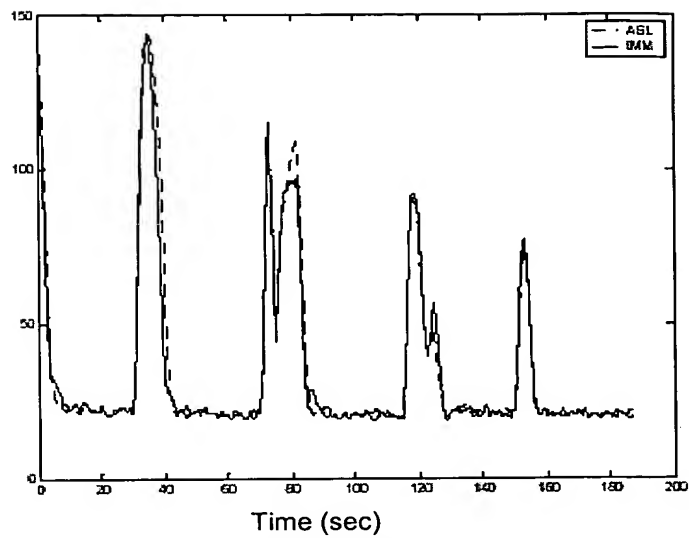


Fig. 17B

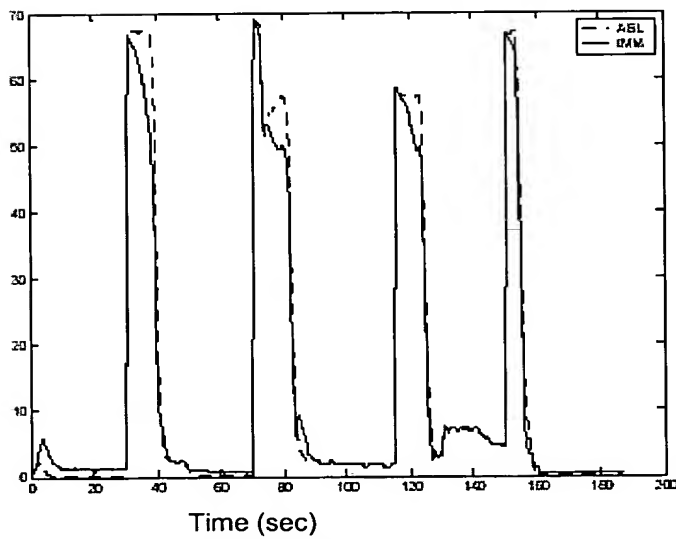


Fig. 17C

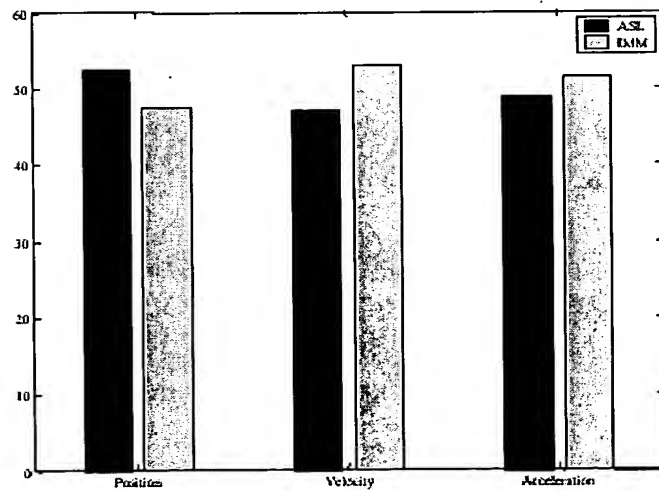
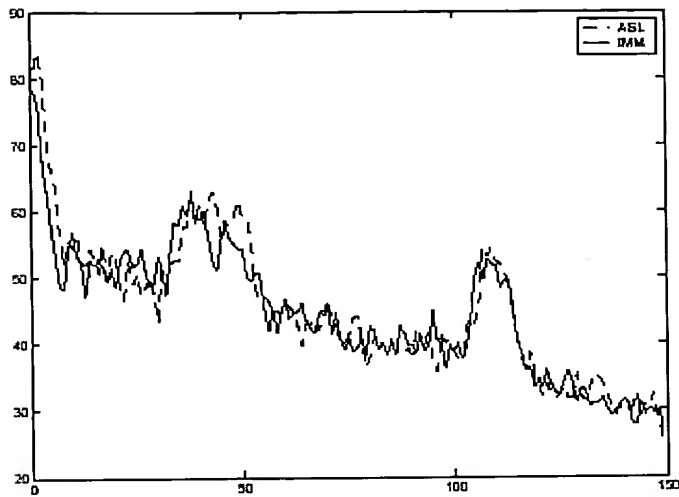
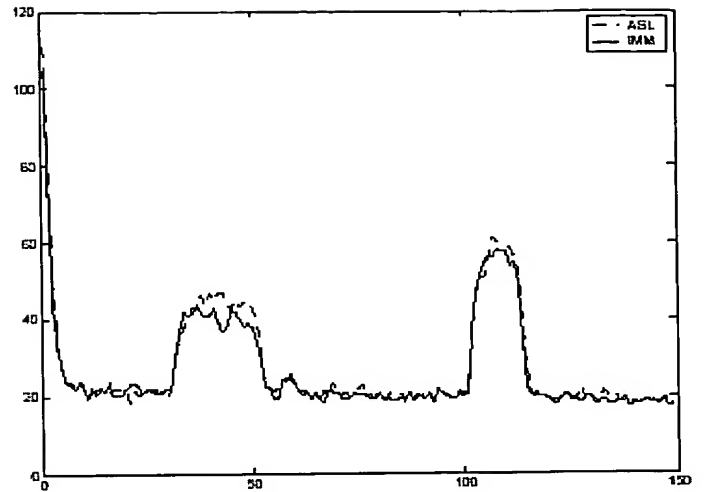


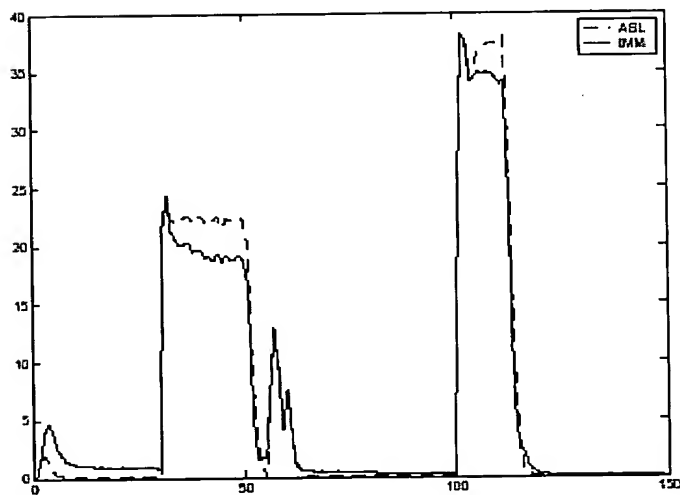
Fig. 17D



Time (sec)
Fig. 18A



Time (sec)
Fig. 18B



Time (sec)
Fig. 18C

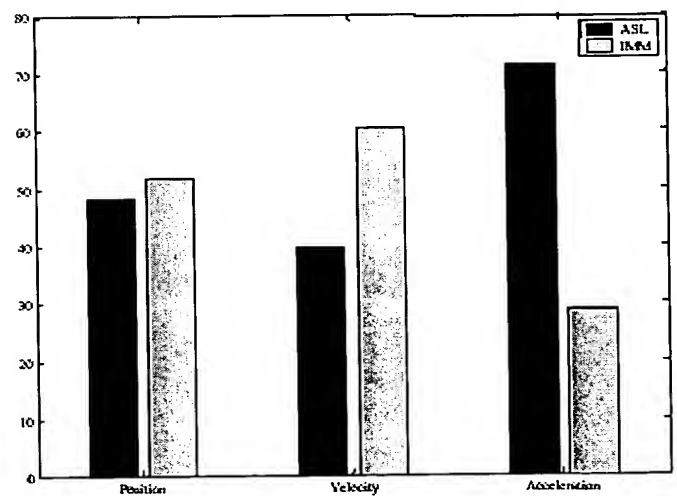


Fig. 18D

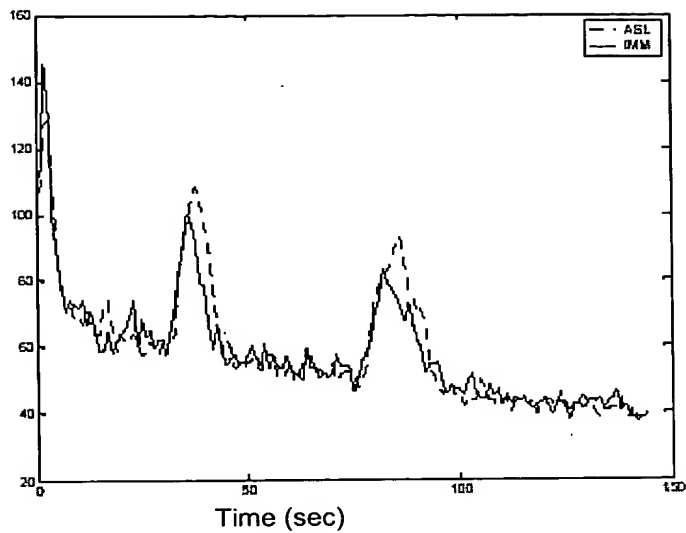


Fig. 19A

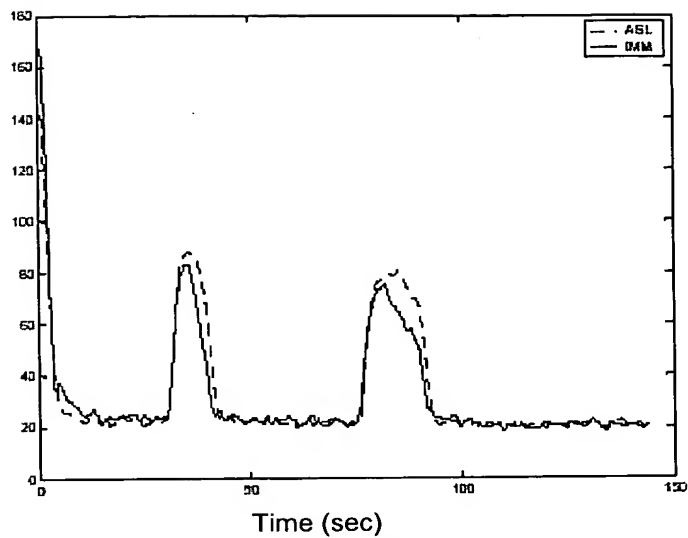


Fig. 19B

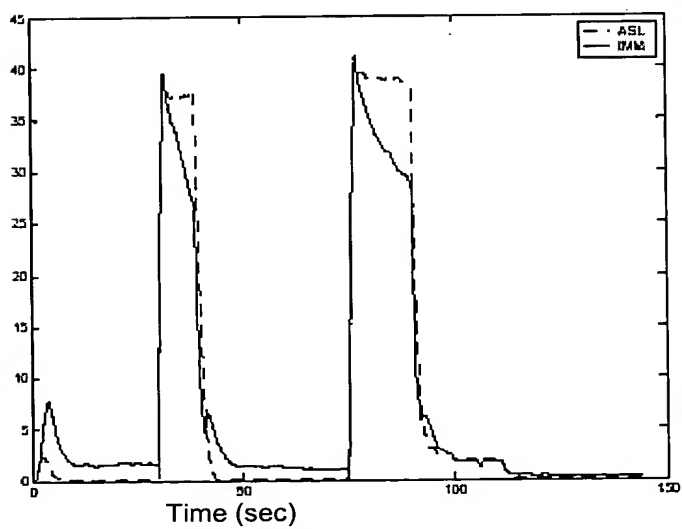


Fig. 19C

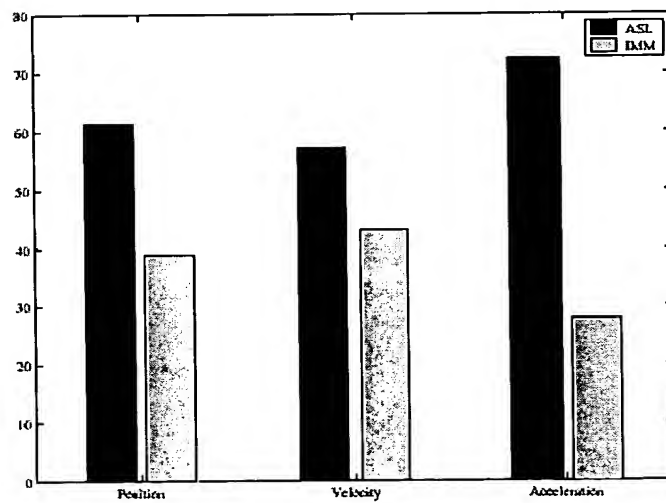


Fig. 19D

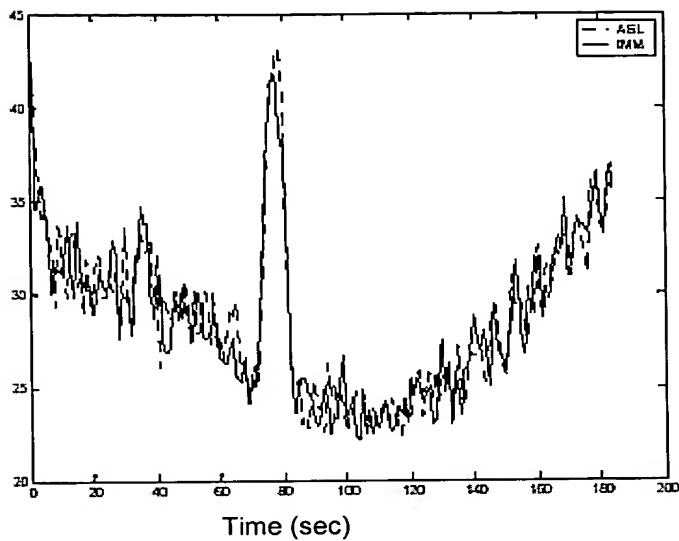


Fig. 20A

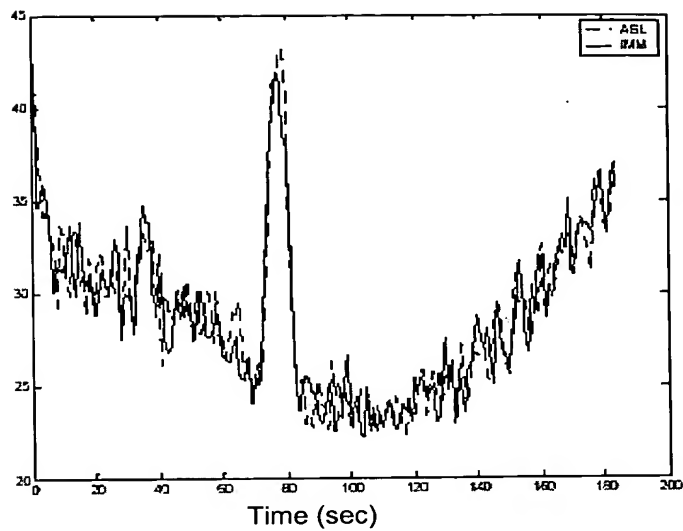


Fig. 20B

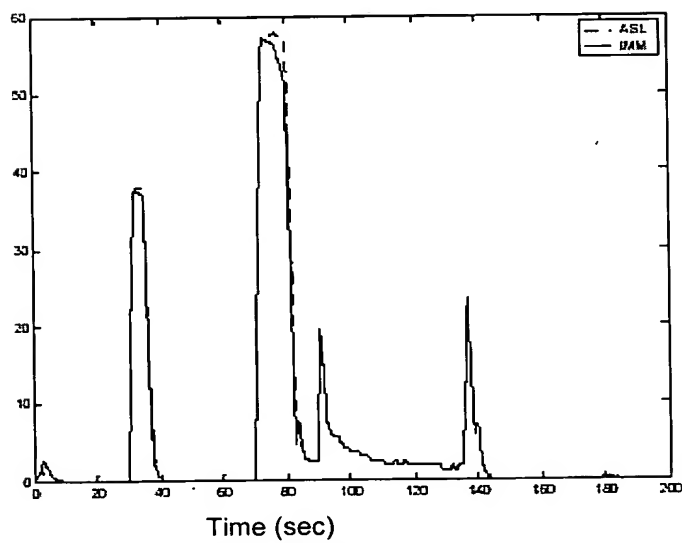


Fig. 20C

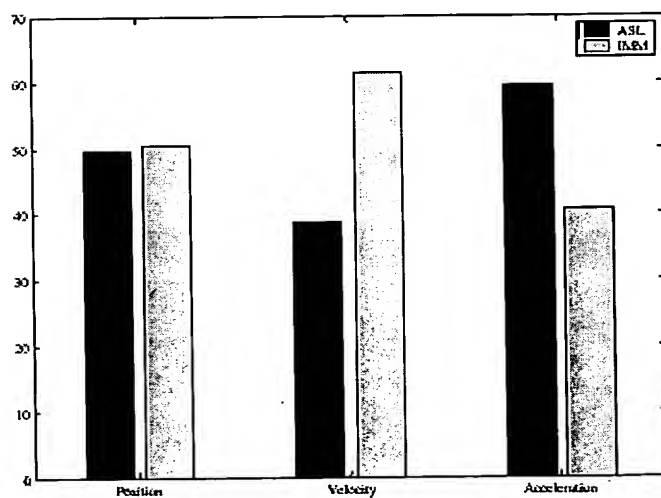


Fig. 20D

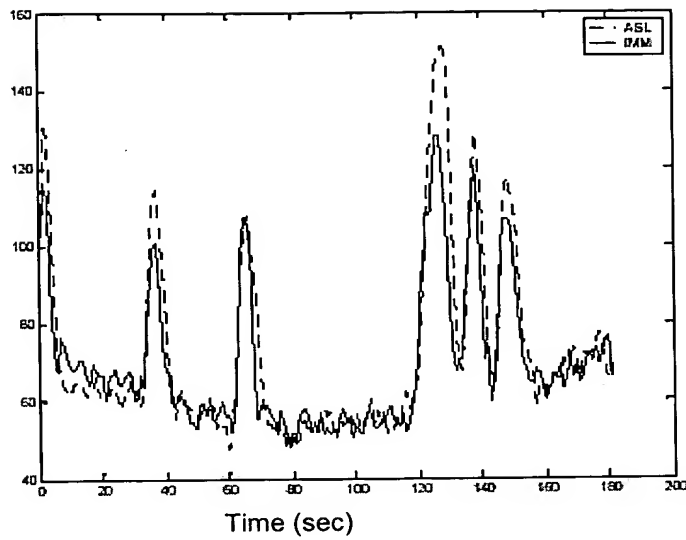


Fig. 21A

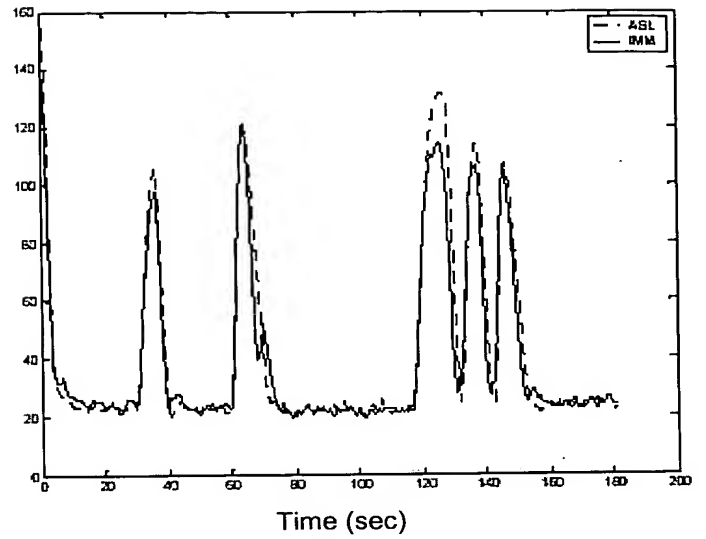


Fig. 21B

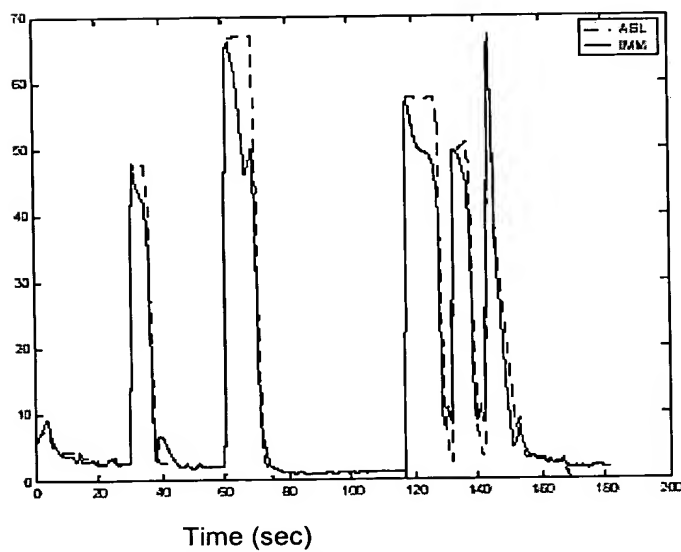


Fig. 21C

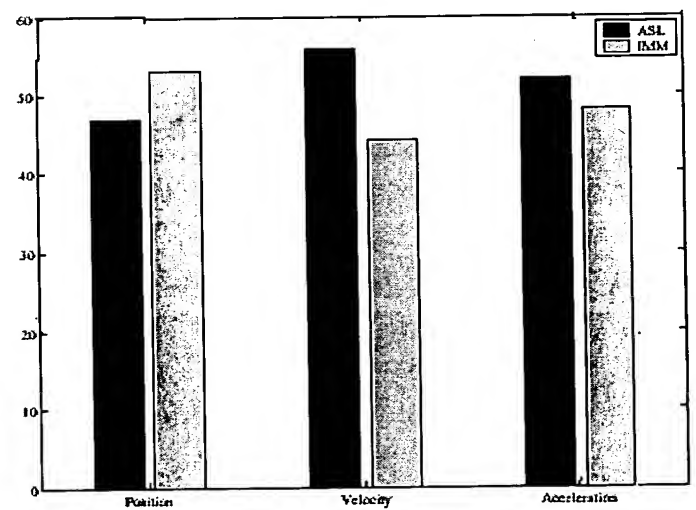


Fig. 21D

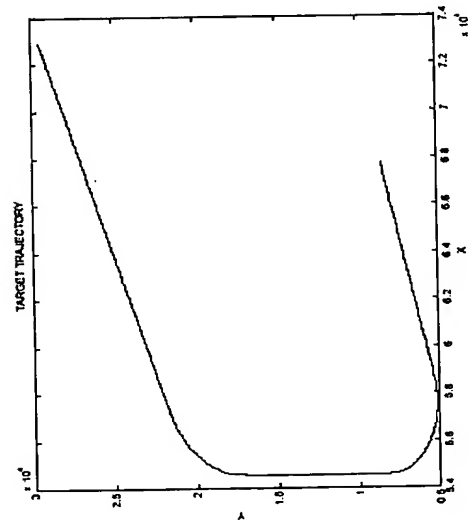


Fig. 9A

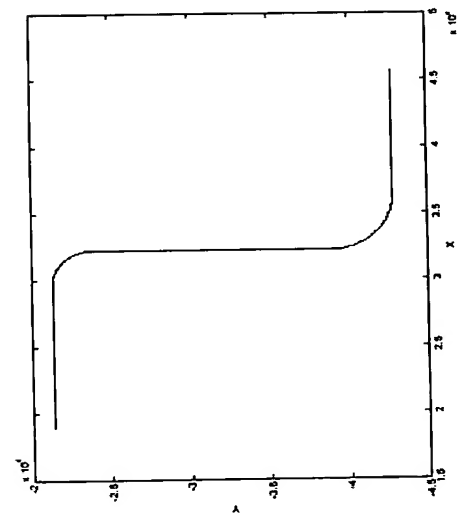


Fig. 9B

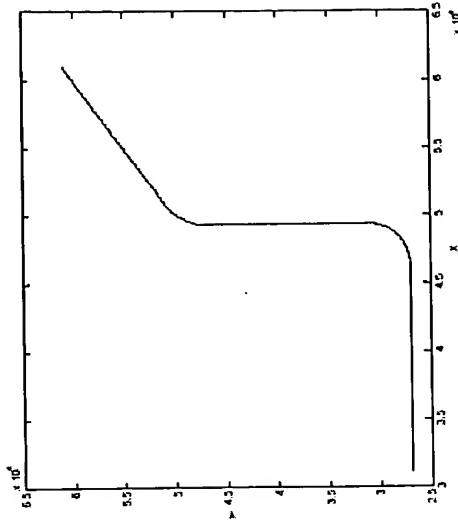


Fig. 9C

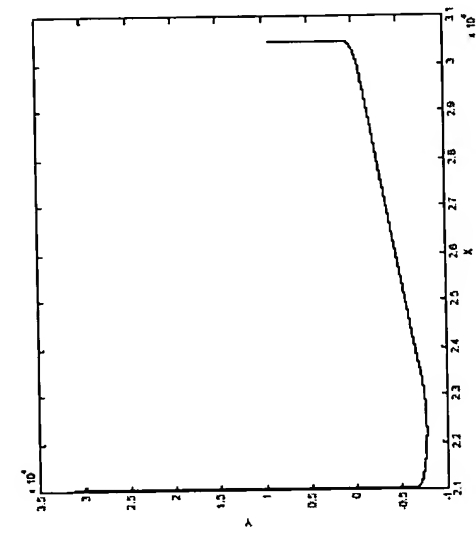


Fig. 9D

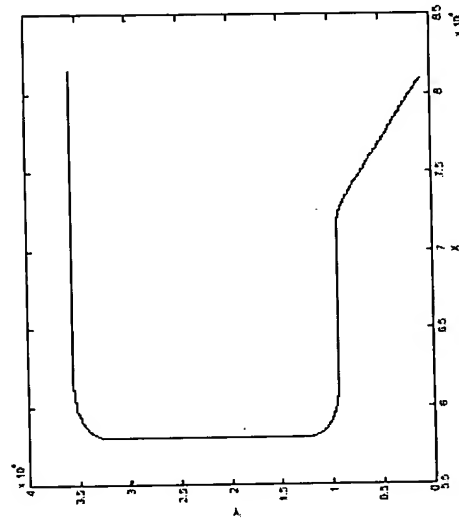


Fig. 9E

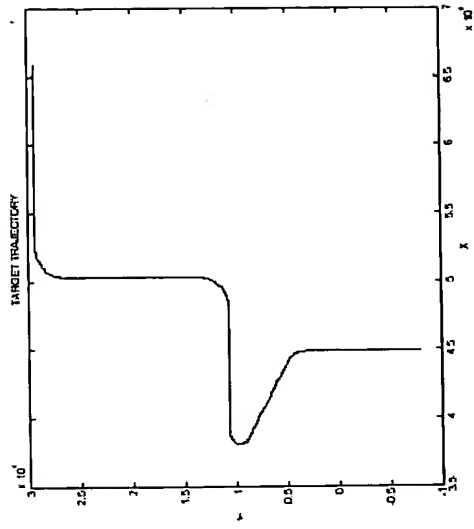


Fig. 9F

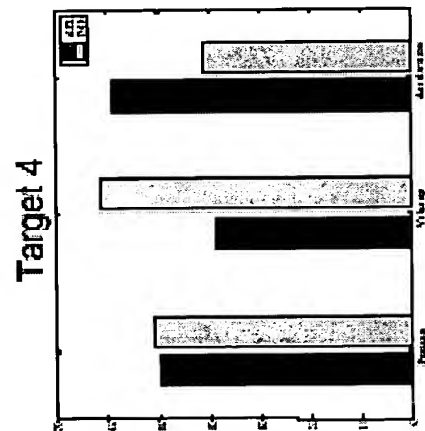
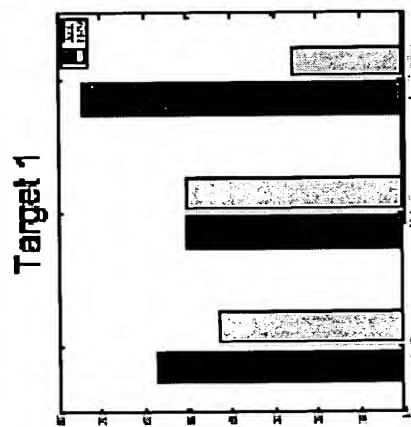
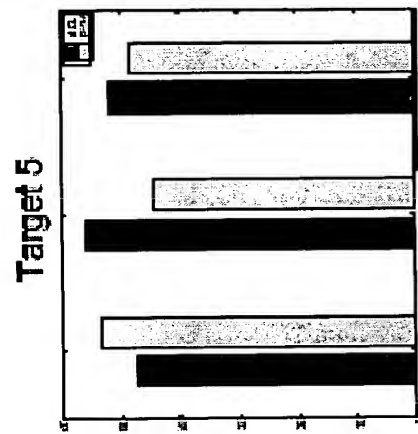
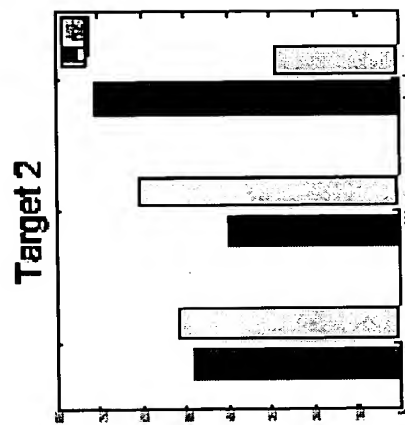
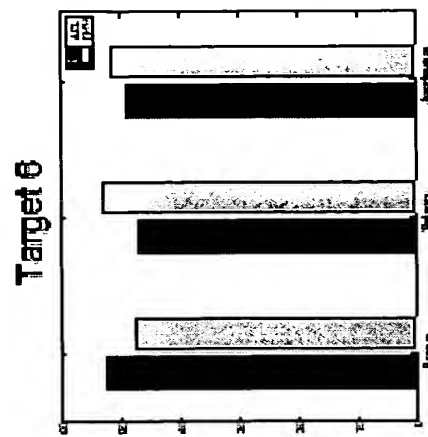
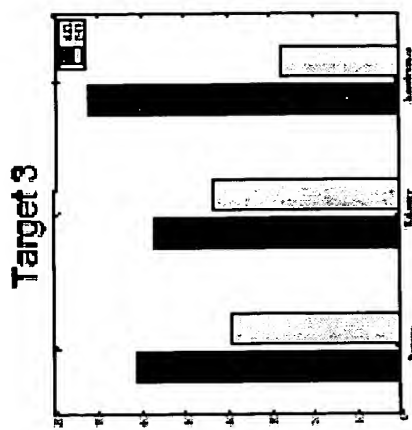


Fig. 22

Run Time

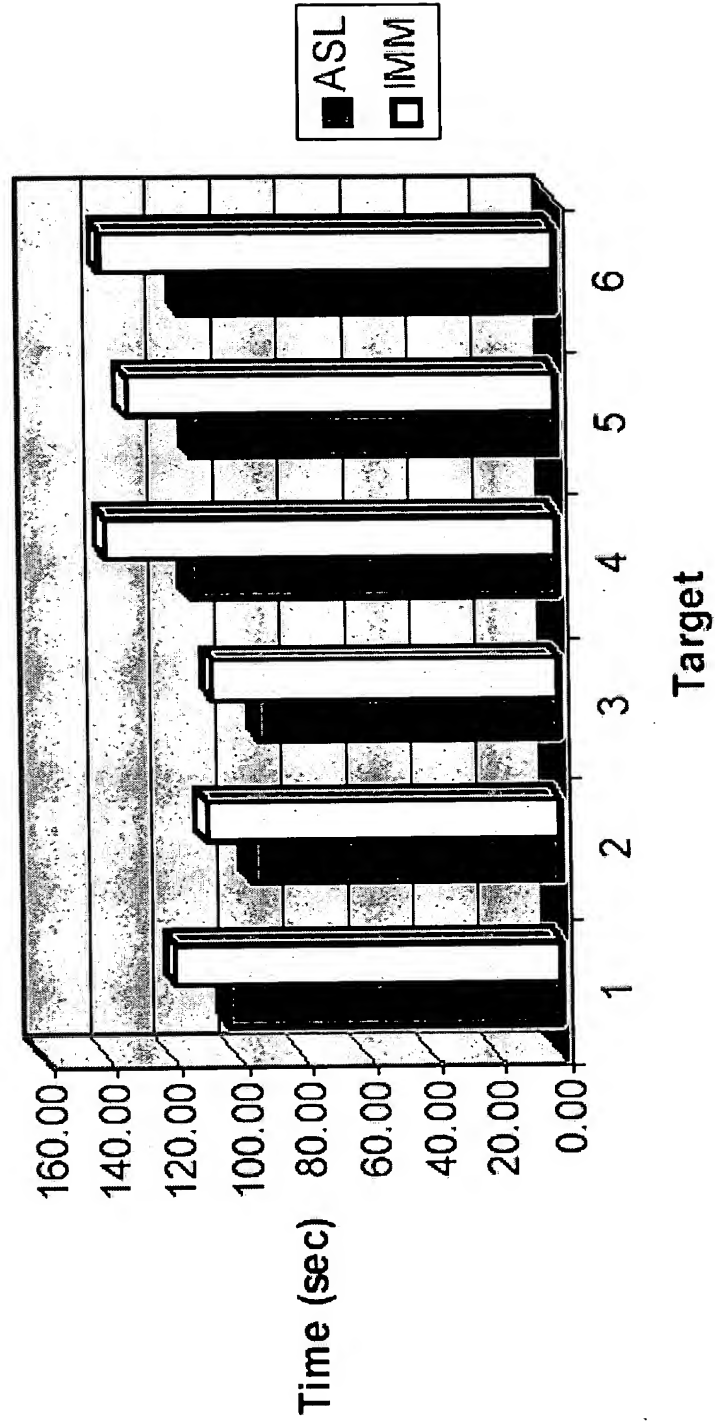


Fig. 23

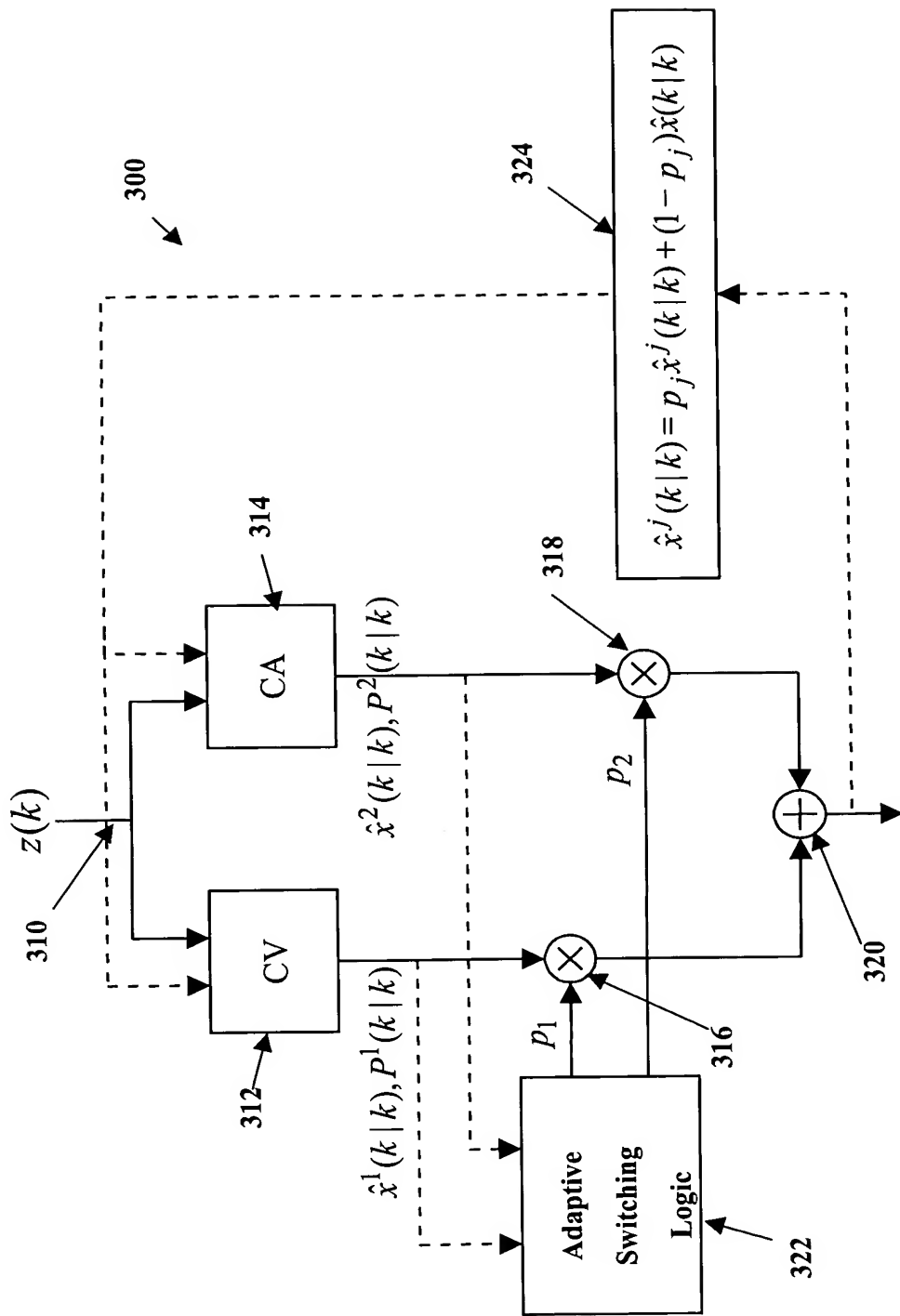


Fig. 7 $\hat{x}(k|k) = \sum_j p_j \hat{x}^j(k|k)$